

Converting Colors

$Y_{xy}(13.7924, 0.3032, 0.5086)$

Have a look what the booklet for
Yxy(13.7924, 0.3032, 0.5086)
contains.

Yxy(13.7830, 0.3025, 0.5082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(13.7830, 0.3025, 0.5082)$

Conversions

Conversions Part 1

Format	Color
Hex	2F7631
RGB	47, 118, 49
RGB Percent	18%, 46%, 19%
CMY	0.8158, 0.5372, 0.8078
CMYK	0.60, 0.00, 0.58, 0.54
HSL	122°, 43%, 32%
HSV	122°, 60%, 46%
XYZ	8.2042, 13.7830, 5.1340
YIQ	88.9050, -20.1670, -36.5110

Conversions

Conversions Part 2

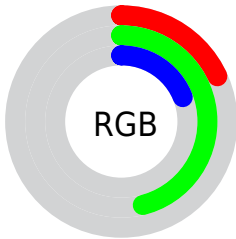
Format	Color
RYB	47, 116, 118
Decimal	3110449
CIELab	43.92, -37.31, 31.06
CIElCh	44, 48.540, 140.223
Yxy	13.7830, 0.3025, 0.5082
Android (android.graphics.Color)	4281300529 (0xFF2F7631)
YUV	88.9050, -19.6732, -36.7507
Hunter-Lab	37.1255, -25.5238, 17.7887

Details

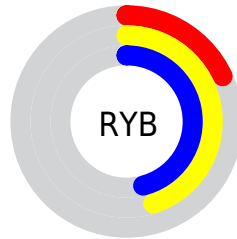
The Yxy color **13.7830, 0.3025, 0.5082** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.1429, 0.3227, 0.1981**, and the grayscale version is **10.0143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7556, 0.3097, 0.4593**, and **4.2584, 0.2992, 0.5972** is the 20% darker color. If you saturate the color by 10%, you get **13.4555, 0.3012, 0.5388**, and if you desaturate by 10%, it is **14.2122, 0.3041, 0.4751**.

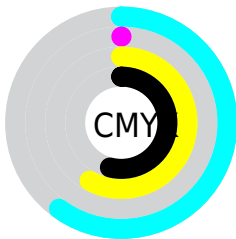
Distribution



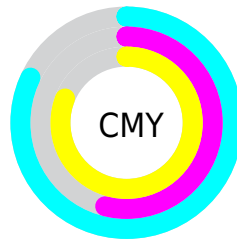
- Red (18%)
- Green (46%)
- Blue (19%)



- Red (18%)
- Yellow (45%)
- Blue (46%)



- Cyan (60%)
- Magenta (0%)
- Yellow (58%)
- Black (54%)





- Cyan (82%)
- Magenta (54%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7830, 0.3025, 0.5082 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 13.7830, 0.3025, 0.5082 by changing the saturation by 10% instead.


 13.7830, 0.3025,
0.5082

 13.7830, 0.3025,
0.5082


215.8767, 0.3135,
0.3942


 7.9699, 0.2948,
0.5491


 32.7035, 0.3091,
0.4587


 4.0757, 0.2799,
0.6130

 46.5797, 0.3107,
0.4428


 1.7160, 0.2441,
0.7559

 63.9123, 0.3116,
0.4303

 0.4340, 0.0000,
1.0000

 85.0859, 0.3123,
0.4202

 0.0000, 0.0000,
0.0000

 110.4847, 0.3128,
0.4120

 140.4931, 0.3131,

0.4051

175.4957, 0.3133,
0.3992

■ 13.7830, 0.3025,
0.5082

■ 13.7830, 0.3025,
0.5082

■ 13.4555, 0.3012,
0.5388

■ 14.2122, 0.3041,
0.4751

■ 13.2196, 0.3002,
0.5647

■ 14.7486, 0.3059,
0.4417

■ 13.0666, 0.2997,
0.5838

■ 15.3993, 0.3077,
0.4096

■ 12.9655, 0.2991,
0.5969

■ 16.1706, 0.3095,
0.3799

■ 17.0679, 0.3111,
0.3532

■ 18.0967, 0.3127,
0.3294

■ 19.2619, 0.3141,
0.3087

■ 20.5682, 0.3153,
0.2907

■ 22.0201, 0.3165,
0.2751

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.7830, 0.3950, 0.5083



13.7830, 0.3025, 0.5082



13.7830, 0.2176, 0.4233

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.7830, 0.3025, 0.5082



13.7830, 0.1636, 0.1897



13.7830, 0.4855, 0.3138

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.7830, 0.3025, 0.5082



7.1429, 0.3227, 0.1981

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.7830, 0.4003, 0.2530



13.7830, 0.3025, 0.5082



13.7830, 0.2124, 0.1850

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.7830, 0.3025, 0.5082



13.7830, 0.1473, 0.2276



13.7830, 0.2956, 0.2075



13.7830, 0.5100, 0.3817

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.7830, 0.3025, 0.5082



13.7830, 0.1775, 0.3449



13.7830, 0.2956, 0.2075



13.7830, 0.4624, 0.2924

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.7836, 0.3025, 0.5082



28.6899, 0.3098, 0.3750



16.9327, 0.3926, 0.4647



6.5163, 0.3094, 0.3817



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.7836, 0.3025, 0.5082



23.4898, 0.3008, 0.5488



14.1967, 0.2716, 0.4175



4.0997, 0.3113, 0.3502



14.0252, 0.2992, 0.5971



68.3248, 0.2997, 0.5988

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.1429, 0.3227, 0.1981



10.6855, 0.3248, 0.1781



6.4813, 0.3988, 0.2589



3.7562, 0.3141, 0.3087



5.4962, 0.3279, 0.1580



26.7612, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 13.7830, 0.3025, 0.5082 looks on a white background.

Color Contrast Check

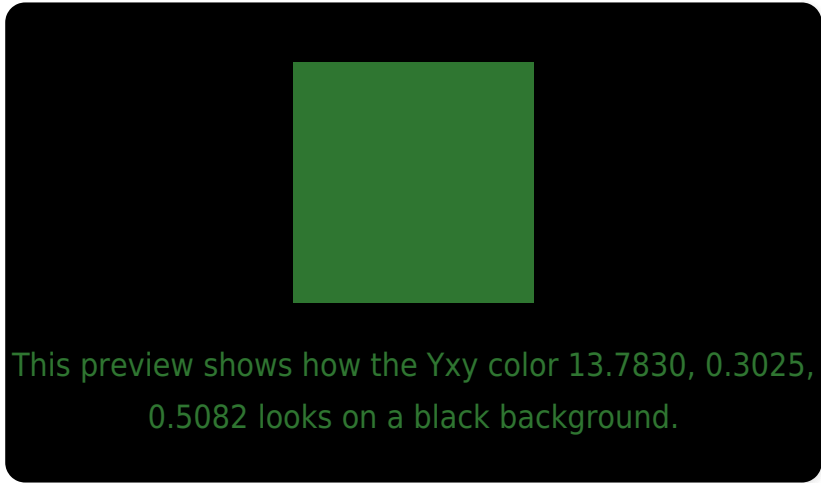
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

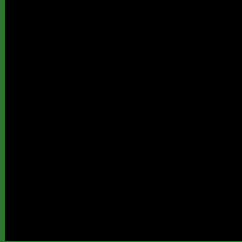
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.7830, 0.3025, 0.5082

Background



This preview shows how black text looks on a background with the Yxy color 13.7830, 0.3025, 0.5082.



This preview shows how white text looks on a background with the Yxy color 13.7830, 0.3025, 0.5082.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.7830, 0.3025, 0.5082

Protanopia

13.5348, 0.4081, 0.4457

Deuteranopia

13.5137, 0.4220, 0.4136



Tritanopia

13.8149, 0.2495, 0.3080

Trichromacy



Original Color

13.7830, 0.3025, 0.5082

Protanomaly

13.0960, 0.3630, 0.4719

Deuteranomaly

12.9478, 0.3713, 0.4490

Tritanomaly

13.7423, 0.2699, 0.3791

Monochromacy



Original Color

13.7830, 0.3025, 0.5082

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.0646, 0.3095, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7830, 0.3025, 0.5082 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(47, 118, 49)` looks like.

```
.text, #text, p{  
    color:rgb(47, 118, 49)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(47, 118, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 118, 49) }
```

Border

The CSS property to change the border of an element to Yxy 13.7830, 0.3025, 0.5082 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 118, 49) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(47, 118, 49) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(47, 118, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 118, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 118, 49);  
box-shadow:4px 4px 4px 4px rgb(47, 118,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7830, 0.3025, 0.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 118, 49) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(47, 118,  
49) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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